SRS-D2100

SERVICE MANUAL

Ver 1.1 2004. 05

US Model
Canadian Model
AEP Model
UK Model
E Model

Subwoofer

Satellite Speaker

Control Box

SPECIFICATIONS

Speaker section

Satellite speaker

Speaker system	Full range, magnetically shielded
Speaker units	5.6 cm, cone type
Enclosure type	Closed type
Impedance	6 Ω
Cord length	3 m

Subwoofer

Speaker system	Woofer
Speaker units	16 cm, cone type
Enclosure type	Bass reflex
Impedance	6 Ω

Amplifier section

Rated output 1	2 W (10% T.H.D., 1 kHz, 6 Ω) (Satellite speaker) 80 W (10% T.H.D., 100 Hz, 6 Ω) (Subwoofer)
Input	Stereo mini jack x 1 (INPUT 1) Stereo mini jack x 1 (INPUT 2) Input impedance 4.7 kΩ (at 1 kHz)
Output	Stereo mini jack x 1 (PHONES)

General

Dimensions (w/h/d)	Approx. 130 x 40 x 73 mm ($5\ ^1/_8$ x $1\ ^5/_8$ x $2\ ^7/_8$ in.) (Control box) Approx. 95 x 135 x 150 mm ($3\ ^3/_4$ x $5\ ^3/_8$ x 6 in.) (Satellite speaker, on a desk) Approx. 95 x 100 x 180 mm ($3\ ^3/_4$ x 4 x $7\ ^1/_8$ in.) (Satellite speaker, attached to a wall) Approx. 285 x 285 x 462 mm ($11\ ^1/_4$ x $11\ ^1/_4$ x $18\ ^1/_4$ in.)(Subwoofer)
Mass	Approx. 200 g (7 oz.) (Control box) Approx. 490 g (1 lb. 1 oz.) (Satellite speaker) Approx. 8.2 kg (18 lb. 1 oz.) (Subwoofer)
Cord length	2 m (Control box to subwoofer) 2 m (Power cord)
Power consumptions	31 W

Power requirements

Where purchased	Operating voltage
US, Canadian model	120 V AC, 60 Hz
AEP, UK, Korean model	220 – 230 V AC, 50 Hz
Central & South America model	110 – 120 V AC, 50/60 Hz

Supplied accessories

Connecting Cable

Design and specifications are subject to change without notice.

ACTIVE SPEAKER SYSTEM

9-877-703-02
2004E02-1
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Sony Corporation
Parsonal Audio Company
Published by Sony Engineering Corporation

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth Ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

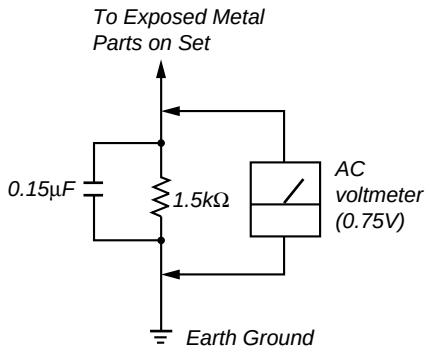

Fig. A. Using an AC voltmeter to check AC leakage.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

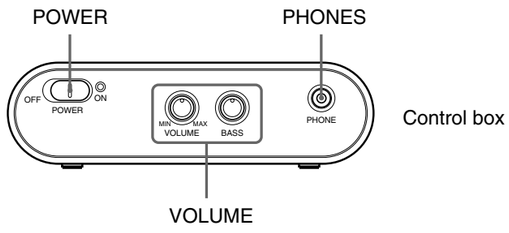
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

LOCATING THE CONTROLS



Control box

SECTION 2
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this necessary note is printed in each block.)

For schematic diagrams.
Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

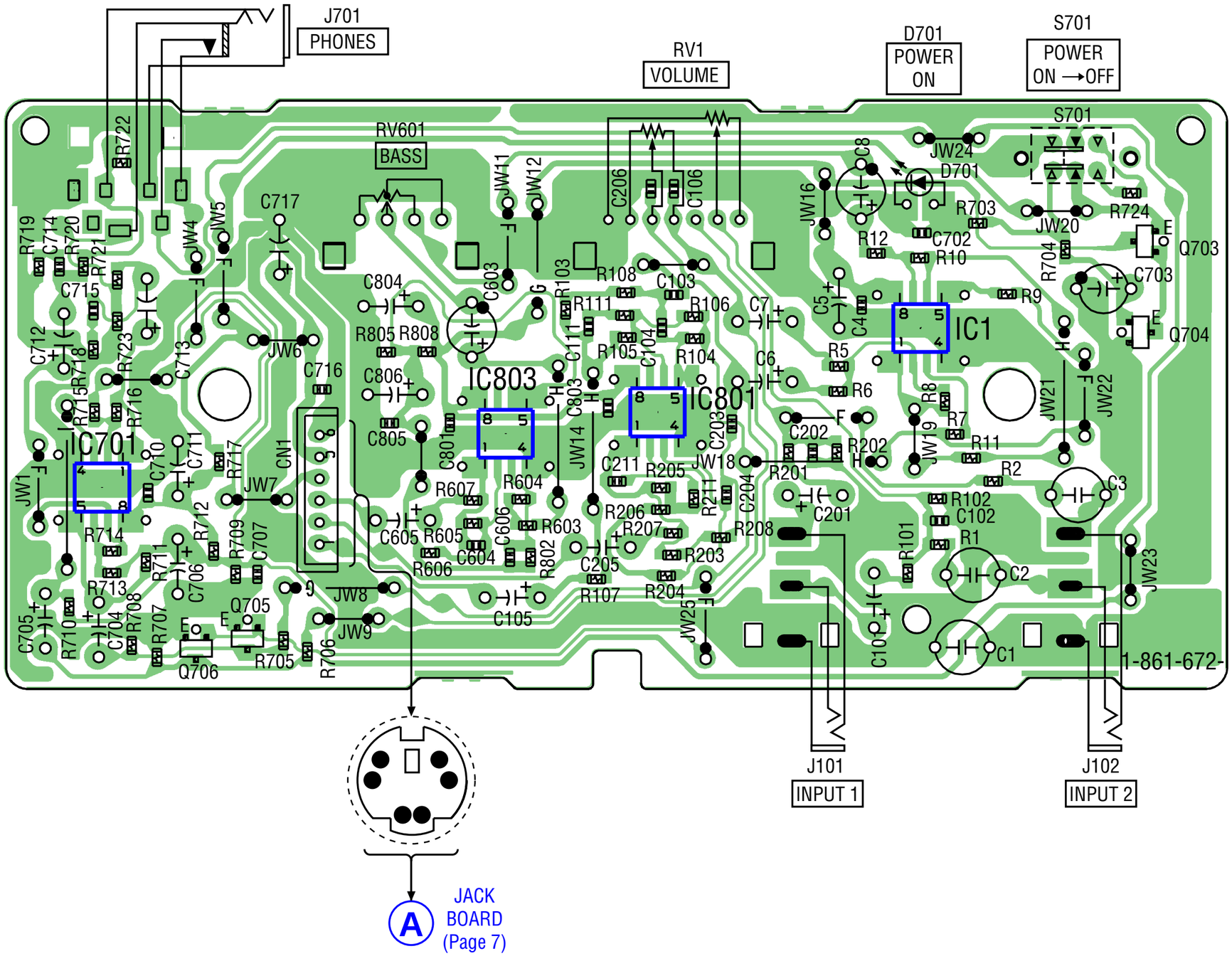
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages are dc with respect to ground under no-signal conditions.
- no mark : Power on
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AUDIO
- Abbreviation
  CND : Canadian model
  C&SA : Central and South America model
  KR : Korean model

For printed wiring boards.
Note:

- ○——— : parts extracted from the component side.
- ▬ : Pattern from the side which enables seeing.
- Abbreviation
  CND : Canadian model
  C&SA : Central and South America model
  KR : Korean model

2-1. PRINTED WIRING BOARD – CONTROL SECTION –

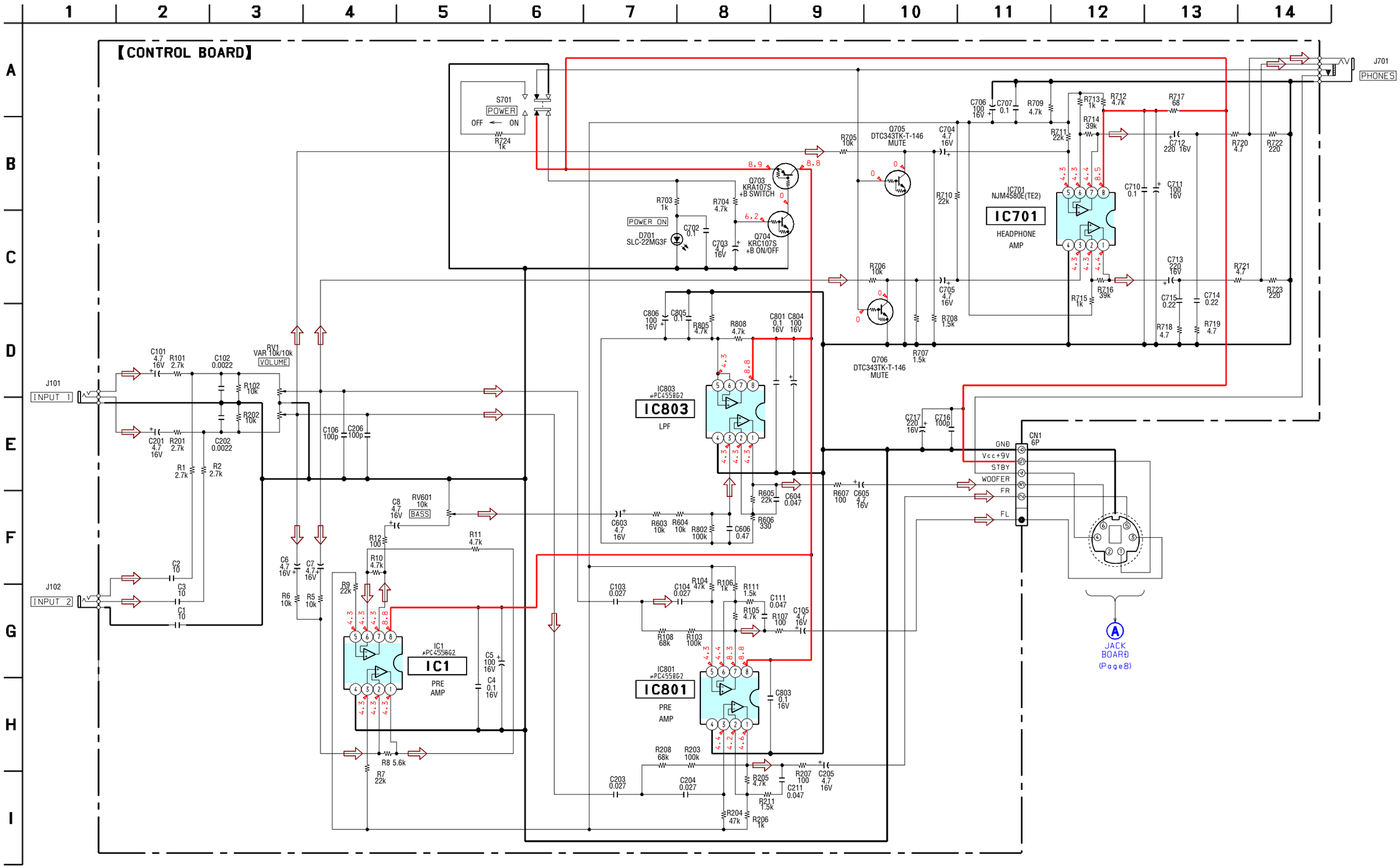
【CONTROL BOARD】



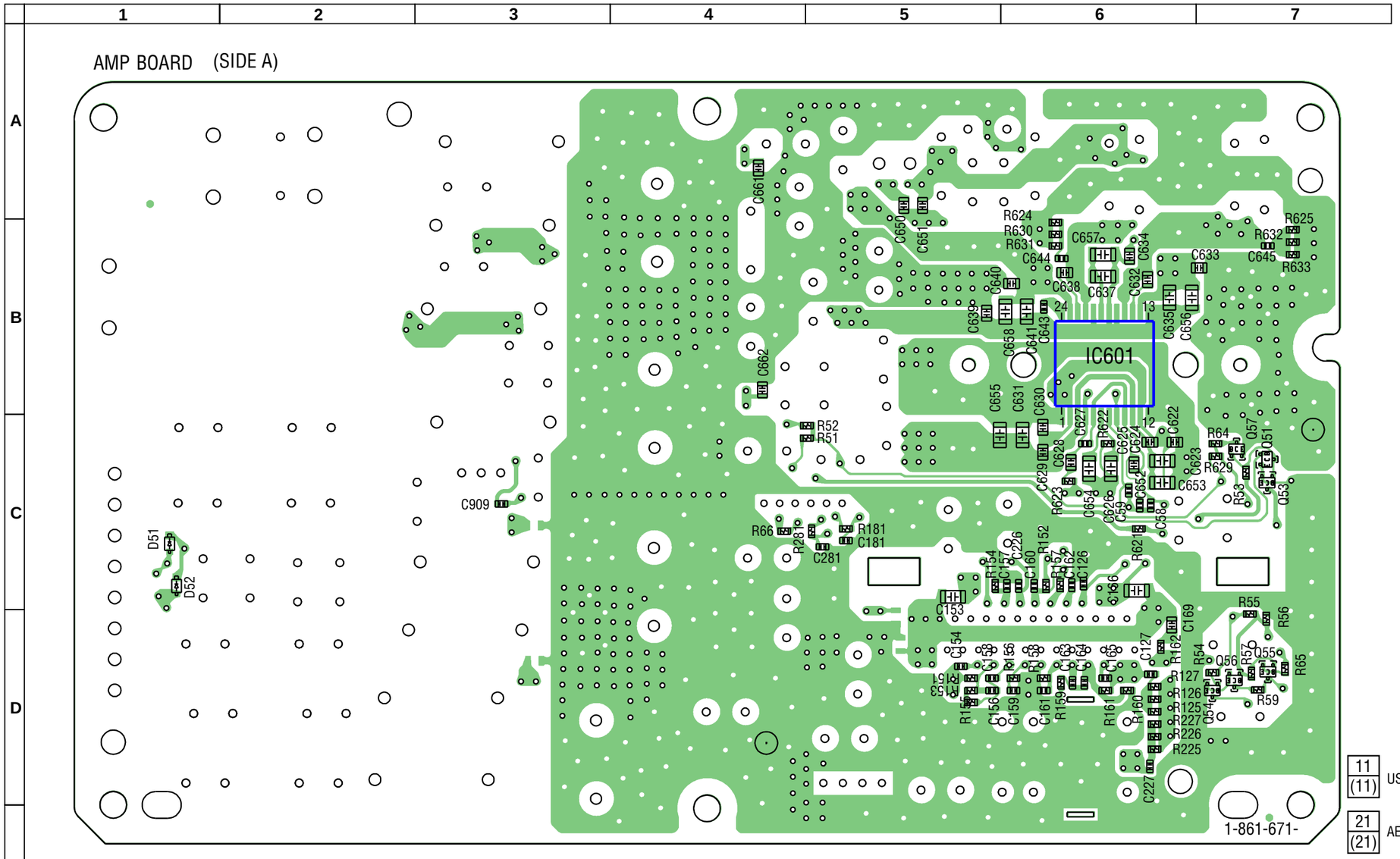
- **Semiconductor Location**

Ref. No.	Location
D701	B-4
IC1	B-4
IC701	C-1
IC801	B-3
IC803	B-3
Q703	B-5
Q704	B-5
Q705	C-2
Q706	C-1

2-2. SCHEMATIC DIAGRAM – CONTROL SECTION –



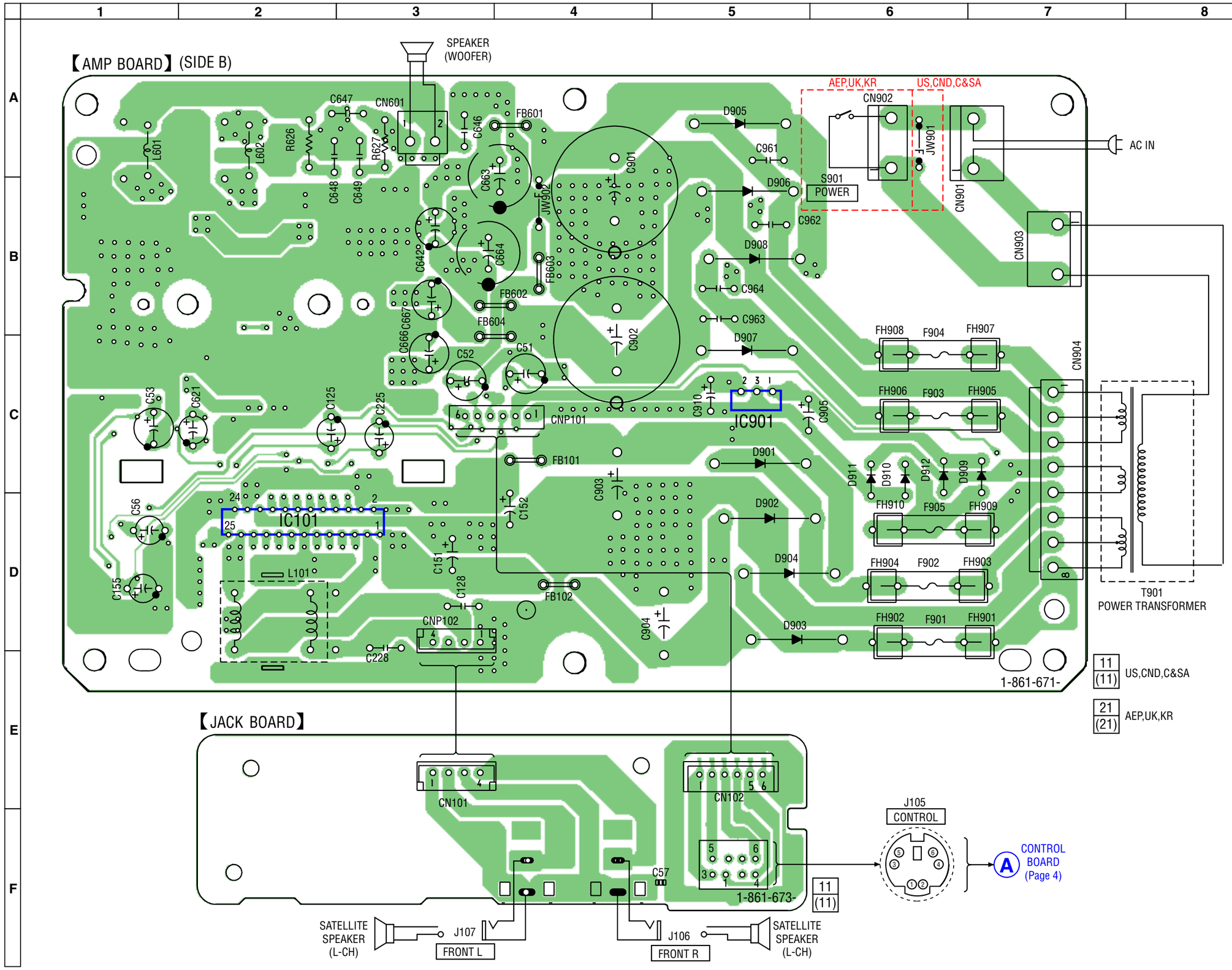
2-3. PRINTED WIRING BOARD – AMP SECTION (SIDE A) –



- **Semiconductor Location**

Ref. No.	Location
D51	C-1
D52	C-1
IC601	B-6
Q51	C-7
Q53	C-7
Q54	C-7
Q55	C-7
Q56	C-7
Q57	C-7

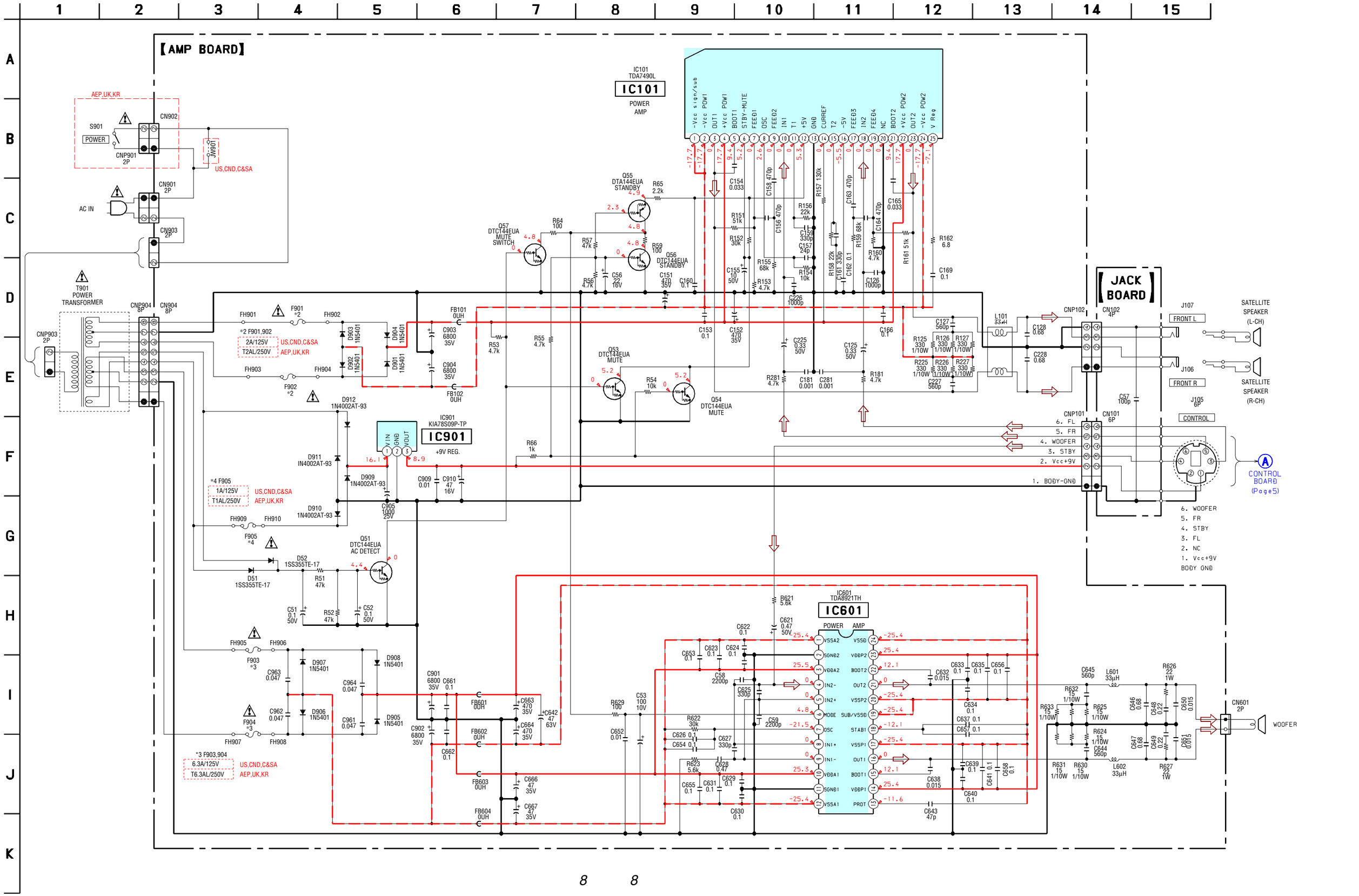
2-4. PRINTED WIRING BOARD – AMP SECTION (SIDE B) –



- **Semiconductor Location**

Ref. No.	Location
D901	C-5
D902	D-5
D903	D-5
D904	D-5
D905	A-5
D906	B-5
D907	C-5
D908	B-5
D909	C-7
D910	C-6
D911	C-6
D912	C-6
IC101	D-2
IC901	C-5

2-5. SCHEMATIC DIAGRAM – AMP SECTION –



SECTION 3
EXPLODED VIEWS

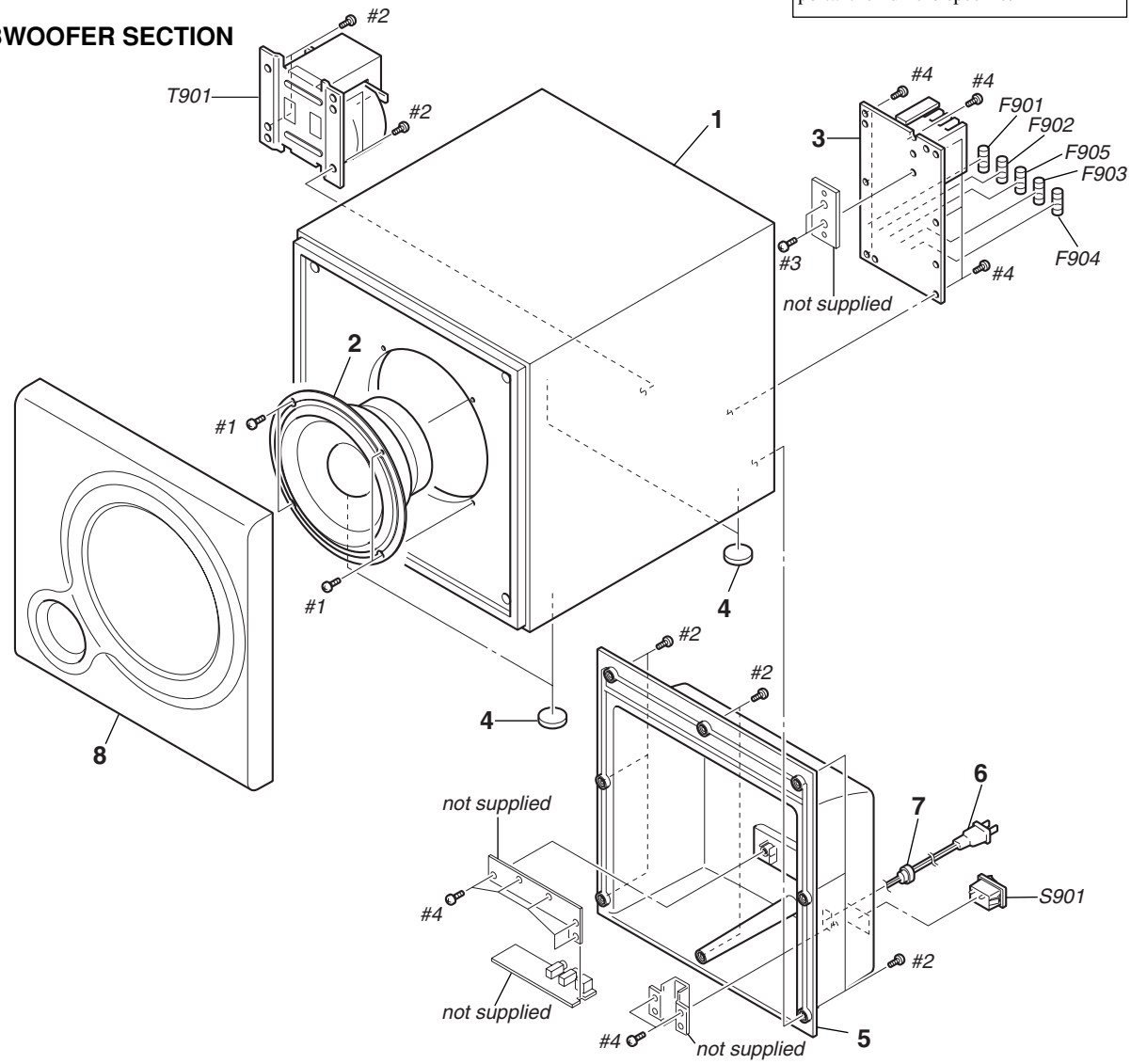
NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) … (RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  C&SA : Central and South America model
  KR : Korean model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

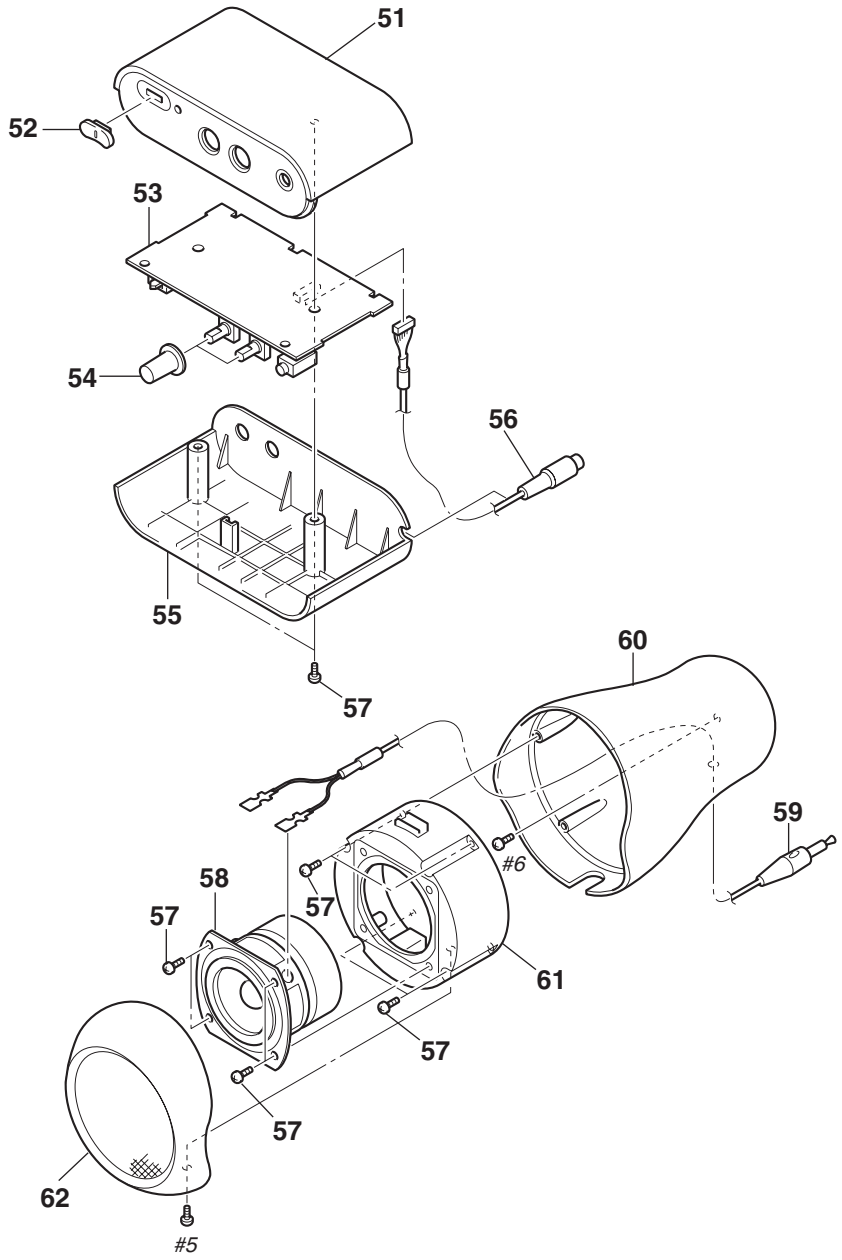
3-1. SUBWOOFER SECTION



Ref. No.	Part No.	Description	Remarks
1	X-3384-826-1	WOOFER CABINET MAIN ASSY (US, CND)	
1	X-3384-923-1	WOOFER CABINET MAIN ASSY (AEP,UK,C&SA,KR)	
2	1-825-753-11	SPEAKER UNIT (165mm)	
3	A-4547-132-A	AMP BOARD, COMPLETE (US,CND,C&SA)	
3	A-4547-339-A	AMP BOARD, COMPLETE (AEP,UK,KR)	
4	3-264-690-01	FOOT, WOOFER	
5	3-264-689-01	PANEL, REAR (US,CND)	
5	3-264-689-11	PANEL, REAR (AEP,UK)	
5	3-264-689-41	PANEL, REAR (KR)	
5	3-264-847-31	PANEL, REAR (C&SA)	
⚠6	1-696-169-12	CORD, POWER (AEP,UK)	
⚠6	1-769-079-32	CORD, POWER (KR)	
⚠6	1-775-789-91	CORD, POWER (C&SA)	
⚠6	1-783-531-72	CORD, POWER (US, CND)	
7	4-217-350-11	STOPPER, CORD	
8	X-2022-442-1	FRONT SUB ASSY, WOOFER (US,CND)	
8	X-2022-448-1	FRONT SUB ASSY, WOOFER (AEP,UK,KR)	
⚠F901	1-532-388-31	FUSE (T2AL/250V) (AEP, UK,KR)	
⚠F901	1-533-296-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2A/125V) (US, CND,C&SA)	

Ref. No.	Part No.	Description	Remarks
⚠F902	1-532-388-31	FUSE (T2AL/250V) (AEP,UK,KR)	
⚠F902	1-533-296-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2A/125V) (US,CND,C&SA)	
⚠F903	1-532-506-32	FUSE (T6.3AL/250V) (AEP,UK,KR)	
⚠F903	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5) (6.3A/125V) (US,CND,C&SA)	
⚠F904	1-532-506-32	FUSE (T6.3AL/250V) (AEP,UK,KR)	
⚠F904	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5) (6.3A/125V) (US,CND,C&SA)	
⚠F905	1-532-463-32	FUSE (T1AL/250V) (AEP,UK,KR)	
⚠F905	1-533-689-11	FUSE, GLASS CYLINDRICAL (DIA.5) (1A/125V) (US,CND,C&SA)	
⚠S901	1-762-876-11	SWITCH, AC POWER (AEP,UK,KR)	
⚠T901	1-443-208-11	TRANSFORMER, POWER (US, CND, C&SA)	
⚠T901	1-443-210-11	TRANSFORMER, POWER (AEP,UK,KR)	
#1	7-685-664-79	SCREW +PTP 4X20 TYPE1	
#2	7-685-663-71	SCREW +BVTP 4X16 TYPE2 N-S	
#3	7-682-550-04	SCREW +B 3X12	
#4	7-685-647-14	SCREW +BVTP 3X10 TYPE2 SLIT	

3-2. CONTROL BOX, SATELLITE SPEAKER SECTION



Ref. No.	Part No.	Description	Remarks
51	3-264-702-01	CABINET, UPPER2.1 (US,CND,C&SA,KR)	
51	3-264-702-11	CABINET, UPPER2.1 (AEP,UK)	
52	3-264-700-01	SWITCH, POWER	
53	A-4547-133-A	CONTROL BOARD, COMPLETE	
54	3-264-701-01	KNOB, VOLUME	
55	3-264-703-01	CABINET, LOWER2.1	
56	1-828-482-11	DIN CABLE 6P (US,CND,C&SA,KR)	
56	1-828-482-21	DIN CABLE 6P (AEP,UK)	
57	3-254-151-01	SCREW (B2.6), (+) P TAPPING	

Ref. No.	Part No.	Description	Remarks
58	1-825-754-11	SPEAKER UNIT (57mm)	
59	1-828-480-11	CORD CONNECTION 2P (US,CND)	
59	1-828-480-21	CORD CONNECTION 2P (AEP,UK,C&SA,KR)	
60	3-264-668-01	CABINET, REAR	
61	X-2022-440-1	FRAME SUB ASSY, SATELLITE	
62	X-2022-441-1	FRONT SUB ASSY, SATELLITE	
#5	7-685-105-19	SCREW +P 2X8 TYPE2 SLIT	
#6	7-682-160-01	SCREW +P 4X6	

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...
- Abbreviation
  CND : Canadian model
  C&SA : Central and South America model
  KR : Korean model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remarks
	A-4547-132-A	AMP BOARD, COMPLETE (US, CND, C&SA)			
	A-4547-339-A	AMP BOARD, COMPLETE (AEP, UK, KR)			
		**********			
	1-533-313-11	FUSE HOLDER			
	3-264-694-01	SHEET, INSULATING (B)			
	7-682-549-04	SCREW +B 3X10			
		< CAPACITOR >			
C51	1-124-463-00	ELECT	0.1uF	20%	50V
C52	1-124-463-00	ELECT	0.1uF	20%	50V
C53	1-124-584-00	ELECT	100uF	20%	10V
C56	1-124-234-00	ELECT	22uF	20%	16V
C58	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C59	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C125	1-124-252-00	ELECT	0.33uF	20%	50V
C126	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C127	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C128	1-131-702-11	FILM	0.68uF	5%	50V
C151	1-126-951-11	ELECT	470uF	20%	35V
C152	1-126-951-11	ELECT	470uF	20%	35V
C153	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C154	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C155	1-126-964-11	ELECT	10uF	20%	50V
C156	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C157	1-162-975-11	CERAMIC CHIP	24PF	5%	50V
C158	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C159	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C160	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C161	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C162	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C163	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C164	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C165	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C166	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C169	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C181	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C225	1-124-252-00	ELECT	0.33uF	20%	50V
C226	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C227	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C228	1-131-702-11	FILM	0.68uF	5%	50V
C281	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C621	1-124-465-00	ELECT	0.47uF	20%	50V
C622	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C623	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V

Ref. No.	Part No.	Description			Remarks
C624	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C625	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C626	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C627	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C628	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C629	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C630	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C631	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C632	1-163-023-00	CERAMIC CHIP	0.015uF	10%	50V
C633	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C634	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C635	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C637	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C638	1-163-023-00	CERAMIC CHIP	0.015uF	10%	50V
C639	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C640	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C641	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C642	1-128-552-51	ELECT	47uF	20%	63V
C643	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C644	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C645	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C646	1-131-702-11	FILM	0.68uF	5%	50V
C647	1-131-702-11	FILM	0.68uF	5%	50V
C648	1-131-696-11	FILM	0.22uF	5%	50V
C649	1-131-696-11	FILM	0.22uF	5%	50V
C650	1-163-023-00	CERAMIC CHIP	0.015uF	10%	50V
C651	1-163-023-00	CERAMIC CHIP	0.015uF	10%	50V
C652	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C653	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C654	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C655	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C656	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C657	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C658	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C661	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C662	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C663	1-126-951-11	ELECT	470uF	20%	35V
C664	1-126-951-11	ELECT	470uF	20%	35V
C666	1-126-947-11	ELECT	47uF	20%	35V
C667	1-126-947-11	ELECT	47uF	20%	35V
C901	1-119-939-11	ELECT	6800uF	20%	35V
C902	1-119-939-11	ELECT	6800uF	20%	35V
C903	1-119-939-11	ELECT	6800uF	20%	35V
C904	1-119-939-11	ELECT	6800uF	20%	35V
C905	1-126-942-61	ELECT	1000uF	20%	25V

AMP CONTROL

Ref. No.	Part No.	Description			Remarks
C909	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C910	1-126-947-11	ELECT	47uF	20%	35V
C961	1-130-491-00	MYLAR	0.047uF	5%	50V
C962	1-130-491-00	MYLAR	0.047uF	5%	50V
C963	1-130-491-00	MYLAR	0.047uF	5%	50V
C964	1-130-491-00	MYLAR	0.047uF	5%	50V
		< CONNECTOR >			
CN601	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN902	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P			(AEP, UK, KR)
CN903	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN904	1-564-674-11	PIN, CONNECTOR (3.96mm PITCH) 8P			
		< DIODE >			
D51	8-719-988-61	DIODE 1SS355TE-17			
D52	8-719-988-61	DIODE 1SS355TE-17			
D901	8-719-902-17	DIODE U15G			
D902	8-719-902-17	DIODE U15G			
D903	8-719-902-17	DIODE U15G			
D904	8-719-902-17	DIODE U15G			
D905	8-719-902-17	DIODE U15G			
D906	8-719-902-17	DIODE U15G			
D907	8-719-902-17	DIODE U15G			
D908	8-719-902-17	DIODE U15G			
D909	8-719-200-02	DIODE 10E-2			
D910	8-719-200-02	DIODE 10E-2			
D911	8-719-200-02	DIODE 10E-2			
D912	8-719-200-02	DIODE 10E-2			
		< FERRITE BEAD >			
FB101	1-400-160-51	INDUCTOR (SMALL TYPE)			
FB102	1-400-160-51	INDUCTOR (SMALL TYPE)			
FB601	1-400-160-51	INDUCTOR (SMALL TYPE)			
FB602	1-400-160-51	INDUCTOR (SMALL TYPE)			
FB603	1-400-160-51	INDUCTOR (SMALL TYPE)			
FB604	1-400-160-51	INDUCTOR (SMALL TYPE)			
		< IC >			
IC101	6-704-237-01	IC TDA7490L			
IC601	6-704-332-01	IC TDA8921TH			
IC901	6-700-776-01	IC KIA78S09P-TP			
		< COIL >			
L101	1-456-524-11	INDUCTOR	33uH		
L601	1-456-790-11	COIL, CHOKE	33uH		
L602	1-456-790-11	COIL, CHOKE	33uH		
		< TRANSISTOR >			
Q51	8-729-029-14	TRANSISTOR DTC144EUA-T106			
Q53	8-729-029-14	TRANSISTOR DTC144EUA-T106			
Q54	8-729-029-14	TRANSISTOR DTC144EUA-T106			
Q55	8-729-028-91	TRANSISTOR DTA144EUA-T106			
Q56	8-729-029-14	TRANSISTOR DTC144EUA-T106			
Q57	8-729-029-14	TRANSISTOR DTC144EUA-T106			

Ref. No.	Part No.	Description			Remarks
		< RESISTOR >			
R51	1-216-841-11	METAL CHIP	47K	5%	1/10W
R52	1-216-841-11	METAL CHIP	47K	5%	1/10W
R53	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R54	1-216-833-11	METAL CHIP	10K	5%	1/10W
R55	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R56	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R57	1-216-841-11	METAL CHIP	47K	5%	1/10W
R59	1-216-809-11	METAL CHIP	100	5%	1/10W
R64	1-216-809-11	METAL CHIP	100	5%	1/10W
R65	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R66	1-216-821-11	METAL CHIP	1K	5%	1/10W
R125	1-216-815-11	METAL CHIP	330	5%	1/10W
R126	1-216-815-11	METAL CHIP	330	5%	1/10W
R127	1-216-815-11	METAL CHIP	330	5%	1/10W
R151	1-218-331-11	METAL CHIP	51K	5%	1/10W
R152	1-218-882-11	METAL CHIP	30K	0.5%	1/10W
R153	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R154	1-216-833-11	METAL CHIP	10K	5%	1/10W
R155	1-216-843-11	METAL CHIP	68K	5%	1/10W
R156	1-216-837-11	METAL CHIP	22K	5%	1/10W
R157	1-218-743-11	METAL CHIP	130K	0.5%	1/10W
R158	1-216-837-11	METAL CHIP	22K	5%	1/10W
R159	1-216-843-11	METAL CHIP	68K	5%	1/10W
R160	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R161	1-218-331-11	METAL CHIP	51K	5%	1/10W
R162	1-216-795-11	METAL CHIP	6.8	5%	1/10W
R181	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R225	1-216-815-11	METAL CHIP	330	5%	1/10W
R226	1-216-815-11	METAL CHIP	330	5%	1/10W
R227	1-216-815-11	METAL CHIP	330	5%	1/10W
R281	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R621	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R622	1-218-882-11	METAL CHIP	30K	0.5%	1/10W
R623	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R624	1-216-799-11	METAL CHIP	15	5%	1/10W
R625	1-216-799-11	METAL CHIP	15	5%	1/10W
R626	1-215-859-00	METAL OXIDE	22	5%	1W
R627	1-215-859-00	METAL OXIDE	22	5%	1W
R629	1-216-809-11	METAL CHIP	100	5%	1/10W
R630	1-216-799-11	METAL CHIP	15	5%	1/10W
R631	1-216-799-11	METAL CHIP	15	5%	1/10W
R632	1-216-799-11	METAL CHIP	15	5%	1/10W
R633	1-216-799-11	METAL CHIP	15	5%	1/10W
**********					
	A-4547-133-A	CONTROL BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-107-714-11	ELECT	10uF	20%	50V
C2	1-107-714-11	ELECT	10uF	20%	50V
C3	1-107-714-11	ELECT	10uF	20%	50V
C4	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-126-933-11	ELECT	100uF	20%	16V
C6	1-124-259-11	ELECT	4.7uF	20%	50V
C7	1-124-259-11	ELECT	4.7uF	20%	50V
C8	1-124-259-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C101	1-124-259-11	ELECT	4.7uF	20%	50V
C102	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C103	1-104-700-11	CERAMIC CHIP	0.027uF	10%	16V
C104	1-104-700-11	CERAMIC CHIP	0.027uF	10%	16V
C105	1-124-259-11	ELECT	4.7uF	20%	50V
C106	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C111	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C201	1-124-259-11	ELECT	4.7uF	20%	50V
C202	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C203	1-104-700-11	CERAMIC CHIP	0.027uF	10%	16V
C204	1-104-700-11	CERAMIC CHIP	0.027uF	10%	16V
C205	1-124-259-11	ELECT	4.7uF	20%	50V
C206	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C211	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C603	1-124-259-11	ELECT	4.7uF	20%	50V
C604	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C605	1-124-259-11	ELECT	4.7uF	20%	50V
C606	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C703	1-124-259-11	ELECT	4.7uF	20%	50V
C704	1-124-259-11	ELECT	4.7uF	20%	50V
C705	1-124-259-11	ELECT	4.7uF	20%	50V
C706	1-126-933-11	ELECT	100uF	20%	16V
C707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C710	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C711	1-126-933-11	ELECT	100uF	20%	16V
C712	1-126-934-11	ELECT	220uF	20%	16V
C713	1-126-934-11	ELECT	220uF	20%	16V
C714	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C715	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C716	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C717	1-126-934-11	ELECT	220uF	20%	16V
C801	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C803	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C804	1-126-933-11	ELECT	100uF	20%	16V
C805	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C806	1-126-933-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
* CN1	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P			
		< DIODE >			
D701	8-719-077-29	DIODE SLC-22MG3F (POWER ON)			
		< IC >			
IC1	8-759-100-96	IC uPC4558G2			
IC701	8-759-385-17	IC NJM4580E (TE2)			
IC801	8-759-100-96	IC uPC4558G2			
IC803	8-759-100-96	IC uPC4558G2			
		< JACK >			
J101	1-566-822-51	JACK (INPUT 1)			
J102	1-566-822-51	JACK (INPUT 2)			
J701	1-815-325-11	JACK (PHONES)			
		< TRANSISTOR >			
Q703	8-729-038-58	TRANSISTOR KRA107S			
Q704	8-729-038-71	TRANSISTOR KRC107S			
Q705	8-729-920-31	TRANSISTOR DTC343TK			
Q706	8-729-920-31	TRANSISTOR DTC343TK			
		< RESISTOR >			
R1	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7	1-216-837-11	METAL CHIP	22K	5%	1/10W
R8	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R9	1-216-837-11	METAL CHIP	22K	5%	1/10W
R10	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R11	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R12	1-216-809-11	METAL CHIP	100	5%	1/10W
R101	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R103	1-216-845-11	METAL CHIP	100K	5%	1/10W
R104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R105	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R106	1-216-821-11	METAL CHIP	1K	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-843-11	METAL CHIP	68K	5%	1/10W
R111	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R201	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R203	1-216-845-11	METAL CHIP	100K	5%	1/10W
R204	1-216-841-11	METAL CHIP	47K	5%	1/10W
R205	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R206	1-216-821-11	METAL CHIP	1K	5%	1/10W
R207	1-216-809-11	METAL CHIP	100	5%	1/10W
R208	1-216-843-11	METAL CHIP	68K	5%	1/10W
R211	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R605	1-216-837-11	METAL CHIP	22K	5%	1/10W
R606	1-216-815-11	METAL CHIP	330	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W
R704	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R706	1-216-833-11	METAL CHIP	10K	5%	1/10W
R707	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R708	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R709	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R710	1-216-837-11	METAL CHIP	22K	5%	1/10W
R711	1-216-837-11	METAL CHIP	22K	5%	1/10W
R712	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-840-11	METAL CHIP	39K	5%	1/10W
R715	1-216-821-11	METAL CHIP	1K	5%	1/10W
R716	1-216-840-11	METAL CHIP	39K	5%	1/10W
R717	1-216-807-11	METAL CHIP	68	5%	1/10W
R718	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R719	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R720	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R721	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R722	1-216-813-11	METAL CHIP	220	5%	1/10W

CONTROL | JACK

Ref. No.	Part No.	Description			Remarks
R723	1-216-813-11	METAL CHIP	220	5%	1/10W
R724	1-216-821-11	METAL CHIP	1K	5%	1/10W
R802	1-216-845-11	METAL CHIP	100K	5%	1/10W
R805	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R808	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1	1-227-642-11	RES, VAR CARBON		10K/10K	(VOLUME)
RV601	1-227-643-11	RES, VAR CARBON		10K (BASS)	
		< SWITCH >			
S701	1-571-478-11	SWITCH, SLIDE (POWER)			
**********					
		JACK BOARD			
		**********			
		< CAPACITOR >			
C57	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
* CN101	1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P			
* CN102	1-573-455-11	PLUG, CONNECTOR (2.5MM) 4P			
		< JACK >			
J106	1-566-822-51	JACK (FRONT R)			
J107	1-566-822-51	JACK (FRONT L)			
**********					
		MISCELLANEOUS			
		**********			
⚠	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)			
2	1-825-753-11	SPEAKER UNIT (165mm)			
⚠6	1-696-169-12	CORD, POWER (AEP, UK)			
⚠6	1-769-079-32	CORD, POWER (KR)			
⚠6	1-775-789-91	CORD, POWER (C&SA)			
⚠6	1-783-531-72	CORD, POWER (US, CND)			
56	1-828-482-11	DIN CABLE 6P (US, CND, C&SA, KR)			
56	1-828-482-21	DIN CABLE 6P (AEP, UK)			
58	1-825-754-11	SPEAKER UNIT (57mm)			
59	1-828-480-11	CORD CONNECTION 2P (US, CND)			
59	1-828-480-21	CORD CONNECTION 2P (AEP, UK, C&SA, KR)			
⚠F901	1-532-388-31	FUSE (T2AL/250V) (AEP, UK, KR)			
⚠F901	1-533-296-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2A/125V)			(US, CND, C&SA)
⚠F902	1-532-388-31	FUSE (T2AL/250V) (AEP, UK, KR)			
⚠F902	1-533-296-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2A/125V)			(US, CND, C&SA)
⚠F903	1-532-506-32	FUSE (T6.3AL/250V) (AEP, UK, KR)			
⚠F903	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(6.3A/125V) (US, CND, C&SA)
⚠F904	1-532-506-32	FUSE (T6.3AL/250V) (AEP, UK, KR)			
⚠F904	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(6.3A/125V) (US, CND, C&SA)
⚠F905	1-532-463-32	FUSE (T1AL/250V) (AEP, UK, KR)			
⚠F905	1-533-689-11	FUSE, GLASS CYLINDRICAL (DIA.5) (1A/125V)			(US, CND, C&SA)

Ref. No.	Part No.	Description	Remarks
⚠S901	1-762-876-11	SWITCH, AC POWER (AEP, UK, KR)	
⚠T901	1-443-208-11	TRANSFORMER, POWER (US, CND, C&SA)	
⚠T901	1-443-210-11	TRANSFORMER, POWER (AEP, UK, KR)	
**********			
		ACCESSORIES	
		**********	
	A-4577-254-A	BASE ASSY	
	1-828-479-11	CORD CONNECTION 2P (US, CND, C&SA)	
	1-828-479-21	CORD CONNECTION 2P (AEP, UK, KR)	
	3-264-412-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH)	(US)
	3-264-412-21	MANUAL, INSTRUCTION (ENGLISH, SPANISH, FRENCH, GERMAN, ITALIAN, DUTCH, PORTUGUESE, SWEDISH)	(EXCEPT US)
	3-264-674-01	BOLT, SATELLITE	
	7-685-645-79	SCREW +P 3X6 TYPE2 NON-SLIT	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.03	New
1.1	2004.05	Addtion of Korean model.